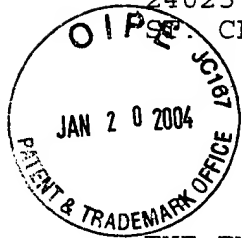


DECEMBER 12, 2000

PTAS

CHRISTOPHER P. MAIORANA, P.C.  
CHRISTOPHER P. MAIORANA  
24025 GREATER MACK, SUITE 200  
CLAIR SHORES, MICHIGAN 48080



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RECORDATION DATE: 09/28/2000

REEL/FRAME: 011163/0272  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHENG, PAUL LAP TAK

DOC DATE: 09/27/2000

ASSIGNOR:

CHEN, KUANG-YU

DOC DATE: 09/27/2000

ASSIGNOR:

HWANG, FRANK

DOC DATE: 09/27/2000

ASSIGNOR:

CHEN, ERIC

DOC DATE: 09/27/2000

ASSIGNOR:

KIM, HYUNBAE

DOC DATE: 09/27/2000

ASSIGNEE:

CYPRESS SEMICONDUCTOR CORPORATION  
3901 NORTH FIRST STREET  
SAN JOSE, CALIFORNIA 95134

EXHIBIT A  
PAGE 1 of 7

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SERIAL NUMBER: 09672395  
PATENT NUMBER:

FILING DATE: 09/28/2000  
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To the Honorable Commissioner of Patents

101495432

original documents or copy thereof.

1. Name of conveying party(ies): Paul Lap Tak Cheng

Kuang-Yu Chen, Frank Hwang,

Eric Chen and Hyunbae Kim

Additional names(s) of conveying party(ies) attached? No

2. Name and address of receiving party(ies):

Name: Cypress Semiconductor Corporation

Internal Address: \_\_\_\_\_

Street Address: 3901 North First Street

City: San Jose State: CA ZIP: 95134

Additional name(s) &amp; address(es) attached? No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other: \_\_\_\_\_

Execution Date: September 27, 2000

4. Application number(s) or patent number(s): 09/672395

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A. Patent Application No(s).

B. Patent No(s).

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Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

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Internal Address: \_\_\_\_\_

Street Address: 24025 GREATER MACK, SUITE 200

City: ST. CLAIR SHORES State: MI ZIP: 48080

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)

\$40.00

☒ Enclosed☒ Authorized to be charged to deposit account if necessary

8. Deposit Account Number:

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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Christopher P. Maiorana

Reg. No.: 42,829

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Date

Total number of pages including cover sheet, attachments, and document: 5

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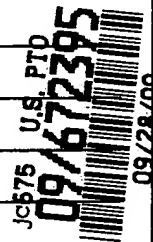
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1. Name of conveying party(ies): Paul Lap Tak Cheng  
Kuang-Yu Chen, Frank Hwang,  
Eric Chen and Hyunbae Kim  
Additional names(s) of conveying party(ies) attached? **No**

3. Nature of conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other: \_\_\_\_\_  
Execution Date: September 27, 2000

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Name: Cypress Semiconductor Corporation

Internal Address: \_\_\_\_\_

Street Address: 3901 North First StreetCity: San Jose State: CA ZIP: 95134Additional name(s) & address(es) attached? **No**

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September 28, 2000

Date

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Washington, D.C. 20231

Case No. 0325.00370  
Page 1 of 2**ASSIGNMENT**


In exchange for good and valuable consideration, the receipt of which is hereby acknowledged, we, **PAUL LAP TAK CHENG, KUANG-YU CHEN, FRANK HWANG, HUENG-CHENG ERIC CHEN and HYUNBAE KIM**, hereby sell, assign and transfer to **CYPRESS SEMICONDUCTOR CORPORATION** (hereinafter referred to as "ASSIGNEE"), having a place of business at 3901 N. First Street, San Jose, California 95134, the full and exclusive right title and interest in and to any and all improvements disclosed in the application for United States Patent entitled "**METHOD AND APPARATUS FOR OVERCLOCKING RECOVERY IN A PLL**", filed on \_\_\_\_\_ and having Serial No. \_\_\_\_\_, any and all divisions, reissues, continuations, substitutions, reexaminations, renewals and foreign equivalents thereof, all rights of priority resulting from the filing of said application, and any and all Letters Patents which issue from said application, together with all claims for damages by reason of past infringement of said patent and with the right to sue for and collect the same;

We hereby authorize and request the Officials of the United States Patent and Trademark Office and of any and all foreign Patent Offices to issue and all of said Letters Patents, when granted, to said ASSIGNEE as the assignee of our entire right, title and interest in and to the same, for the sole use of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patents may be granted;

On request, We agree to execute all oaths, declarations, assignments, powers of attorney and other papers related to said application and any and all divisions, reissues, continuations, substitutions, reexaminations, renewals and foreign equivalents thereof; communicate to said ASSIGNEE, its successors, assigns and representatives all facts known to me concerning said improvements and the history thereof; and generally do everything possible to assist and aid said ASSIGNEE in obtaining, securing and maintaining patent protection for said improvements and for vesting title to said improvements and any and all applications for and patents on said improvements in said ASSIGNEE, its successors and assigns;

We have made no previous assignment, grant, mortgage, license or other agreement to or with others affecting the rights and property conveyed herein; and

We hereby grant to the firm of **CHRISTOPHER P. MAIORANA, P.C.** located at 24025 Greater Mack, Suite 200, St. Clair Shores, Michigan 48080, the power to insert on this document any further identification necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

  
Signature of First Joint Inventor

Date: 9/27/00

Paul Lap Tak Cheng  
Name of First Joint Inventor

\_\_\_\_\_  
Signature of Second Joint Inventor

Date: \_\_\_\_\_

Kuang-Yu Chen  
Name of Second Joint Inventor

Case No. 0325.00370

Page 1 of 2

**ASSIGNMENT**

In exchange for good and valuable consideration, the receipt of which is hereby acknowledged, we, **PAUL LAP TAK CHENG, KUANG-YU CHEN, FRANK HWANG, HUENG-CHENG ERIC CHEN and HYUNBAE KIM**, hereby sell, assign and transfer to CYPRESS SEMICONDUCTOR CORPORATION (hereinafter referred to as "ASSIGNEE"), having a place of business at 3901 N. First Street, San Jose, California 95134, the full and exclusive right title and interest in and to any and all improvements disclosed in the application for United States Patent entitled "**METHOD AND APPARATUS FOR OVERCLOCKING RECOVERY IN A PLL**", filed on \_\_\_\_\_ and having Serial No. \_\_\_\_\_, any and all divisions, reissues, continuations, substitutions, reexaminations, renewals and foreign equivalents thereof, all rights of priority resulting from the filing of said application, and any and all Letters Patents which issue from said application, together with all claims for damages by reason of past infringement of said patent and with the right to sue for and collect the same;

We hereby authorize and request the Officials of the United States Patent and Trademark Office and of any and all foreign Patent Offices to issue and all of said Letters Patents, when granted, to said ASSIGNEE as the assignee of our entire right, title and interest in and to the same, for the sole use of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patents may be granted;

On request, We agree to execute all oaths, declarations, assignments, powers of attorney and other papers related to said application and any and all divisions, reissues, continuations, substitutions, reexaminations, renewals and foreign equivalents thereof; communicate to said ASSIGNEE, its successors, assigns and representatives all facts known to me concerning said improvements and the history thereof; and generally do everything possible to assist and aid said ASSIGNEE in obtaining, securing and maintaining patent protection for said improvements and for vesting title to said improvements and any and all applications for and patents on said improvements in said ASSIGNEE, its successors and assigns;

We have made no previous assignment, grant, mortgage, license or other agreement to or with others affecting the rights and property conveyed herein; and

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\_\_\_\_\_  
Signature of First Joint Inventor

Date: \_\_\_\_\_

Paul Lap Tak Cheng

Name of First Joint Inventor

\_\_\_\_\_  
Signature of Second Joint Inventor

Date: 9/27/00

Kuang-Yu Chen

Name of Second Joint Inventor

Case No. 0325.00370  
Page 2 of 2

Julia Wang  
Signature of Third Joint Inventor

Date: 9/27/00

Frank Hwang  
Name of Third Joint Inventor

Chen Hueng-Cheng  
Signature of Fourth Joint Inventor

Date: 09/27/00

Hueng-Cheng Eric Chen  
Name of Fourth Joint Inventor

H. B. Kim  
Signature of Fifth Joint Inventor

Date: 09/27/00

Hyunbae Kim  
Name of Fifth Joint Inventor